(c) whether any efforts are also proposed for finding out ways to get advance intimation on earthquakes; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE DEPARTMENT OF SCIENCE AND TECHNOLOGY IN THE MINISTEY OF SCIENCE AND TECHNOLOGY (SHRI BACHI SINGH RAWAT): (a) and (b) Yes, Sir. The Department of Science and Technology has been supporting a major programme on earthquake studies. Recently new research initiatives have been taken up using space technologies such as GPS, SAR Interferometry and other ground based technological tools like digital seismometry and boreholde studies to map the geological features, Microzonation studies of a few representative cities like Delhi, Jabalpur and Sikkim have also been initiated.

(c) and (d) At present there is no scientific technique available any where in the world which can predict the occurrence of earthquake with reasonable degree of accuracy in terms of space, time and magnitude. However, efforts are on the world over, to establish the correlation between eqarthquake precursors and its occurrence.

Researches for advance information about human bombs

†5507. SHRI DEVI PRASAD SINGH: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether any research to get advance information about dangers of human bombs or living-being bombs and to de-activate the same is going on in the country; and

(b) whether the requisite technology or resources are available indigenously for undertaking such research?

THE MINISTER OF STATE IN THE DEPARTMENT OF SCIENCE AND TECHNOLOGY IN THE MINISTRY OF SCIENCE AND TECHNOLOGY (SHRI BACHI SINGH RAWAT): (a) No, Sir.

(b) Doesn't arise.

†Original notice of the question was received in Hindi.